#5

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

of the subject matter which is claim	ned and for which a patent is sough	on the invention entities.			
GENE THERAPY BY ADMINIST	RATION OF GENETICALLY ENG	INEERED CD34+ CELLS OBTAIN	ED FROM CORD BLOOD		
the specification of which [] is attaction(if		il 8, 1994 as Application Seri	al No08/225,478	and was an	nended
I hereby state that I have reviewed referred to above.	and understand the contents of the al	pove identified specification, including	g the claims, as amended b	y any ame	ndment
I acknowledge the duty to disclose Regulations, Section 1.56(a).	e information which is material to the	ne patentability of this application in	accordance with Title 37,	, Code of 1	Federal
I hereby claim foreign priority bene below and have also identified belo priority is claimed. Prior Foreign	w any foreign application for patent	e, Section 119 of any foreign application inventor's certificate having a filin	on(s) for patent or inventor g date before that of the app	's certificat plication or	te listed n which
priority is claimed. The recogni	- <del> </del>		•	Priority C	
NONE			-	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)			
of each of the claims of this applic	ation is not disclosed in the prior Use acknowledge the duty to disclose mate	20 of any United States application(s) nited States application in the manner rial information as defined in Title 37, e national or PCT international filing	code of Federal Regulation	igrauprioi i	iue 33,
NONE	(Filing Date)	<u>.                                    </u>	(Status - patented, per	nding, abar	ndoned)
(Application Serial No.)	(Filing Date)		(Carrer Product, Pro		
(Reg. No. 31.778); Charles J. Herr	n (Reg. No. 18,651); John G. Gilfill on (Reg. No. 28,019); William Squir espondence and telephone calls to R	e this application and to transact all an, III (Reg. No. 22,746); Elliot M. 6 e (Reg. No. 25,378); Kenneth S. Wei aymond J. Lillie c/o Carella, Byrne,	Distein (Reg. No. 24,025); izman (Reg No. 36,306); an	Raymona . Id Gregory	Ferraro
true; and further that these stater imprisonment, or both, under Sect application or any patent issued the Full name of sole or first parents.	ments were made with the knowled tion 1001 of Title 18 of the United Streeon.    Donald B/Kolm	e are true and that all statements made ge that willful false statements and tates Code and that such willful false	the like so made are pun	ishable by	line or
Inventor's signature:	rzana, California 91356 Ci	tizenship: U.S.A.	, , , , , , , , , , , , , , , , , , , ,	· ·	
Post Office Address: same	CA CA				
Full name of second joint invento Inventor's signature:		Date:Citizenship: U.S.A.			
Full name of third joint inventor:	Craig A. Mullen	Data			
Inventor's signature:	104 Part - 1- NA2 00014	Date:			
Residence: 4858 Battery Lane, #3 Post Office Address: same	06, Bethesda, Md+ 20814	Citizenship: U.S.A.			
Full name of fourth joint inventor	: Robert C. Moen	<b>.</b>			
Inventors Signature:		Date:			
Residence: 555 West Middlefield	Road, Apt. N-104, Mountain View	. Ca. 94043 Citzenship: U.S.A.			

Post Office Address: same Docket No. 271010-211

As a below named inventor, I hereby declar

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## GENE THERAPY BY ADMINISTRATION OF GENETICALLY ENGINEERED CD34+ CELLS OBTAINED FROM CORD BLOOD the specification of which [] is attached hereto or [X] was filed on April 8, 1994 as Application Serial No. 08/255,478 and was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s): Priority Claimed Yes No NONE (Day/Month/Year Filed) (Country) (Number) I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Status - patented, pending, abandoned) (Filing Date) (Application Serial No.) I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); Charles J. Herron (Reg. No. 28,019); William Squire (Reg. No. 25,378); Kenneth S. Weitzman (Reg No. 36,306); and Gregory Ferraro (Reg. No. 36,134). and Gloria H. Richmond (Reg. No. 30,416); Robert Benson (reg. No. 33,612); Denise C. Bernstein (Reg. No. 35,787); James C. Haight (Reg. No. 25,588); Laurence J. Hyman (Reg. No. 35,551); Susan S. Rucker (Reg. No. 35,762); David R. Sadowski (Reg. No. 32,808); Jack Speigel (Reg. No. 34,477); Ann S. Hobbs (Reg. No. 36,830) all of the Office of Technology Transfer, National Institute of Health, Box OTT, Bethesda, MD 20892. Address correspondence to Raymond J. Lillie c/o Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 -(201) 994-1700. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first inventor: Donald B. Kohn Inventor's signature: Citizenship: U.S.A Residence: 4256 Jubilo Drive, Tarzana, California 91356 Post Office Address: same Date: 9/25/94 Full name of second joint inventor Inventor's signature: \_

Full name of third joint inventor: Craig A. Mullen

Inventor's signature:

Citizenship: U.S.A.

Citizenship: U.S.A

Residence: 35 Penny Green Street, Sugar Land, Texas 77479

Date:

Post Office Address: same

Residence: 1986 Lancashire Drive, Post Office Address: same

Full name of fourth joint inventor: Robert C. Moen

Inventor's Signature:

Date:

Residence: 555 West Middlefield Road, Apt. N-104, Mountain View, Ca. 94043 Citizenship: U.S.A.

Post Office Address: same Docket No. 271010-211

C:\CFM\RJL076

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GENE THERAPY BY ADMINIS	TRATION OF GENETICALLY ENG	GINEERED CD34+ CELLS OBTAINED FROM C	ORD BLOOD
•	s attached hereto or [X] was filed opplicable).	on April 8, 1994 as Application Serial No. 08/	255,478 and was amended on
I hereby state that I have reviewed referred to above.	d and understand the contents of the al	bove identified specification, including the claims,	as amended by any amendment
I acknowledge the duty to disclo Regulations, Section 1.56(a).	se information which is material to the	he patentability of this application in accordance	with Title 37, Code of Federal
	ow any foreign application for patent	le, Section 119 of any foreign application(s) for pate or inventor's certificate having a filing date before	
<b>F</b>			Priority Claimed
NONE(Number)	(Country)	(Day/Month/Year Filed)	Yes No □ □
		20 of any United States application(s) listed below a nited States application in the manner provided by	
	-	erial information as defined in Title 37, Code of Fede e national or PCT international filing date of this a	
NONE			
(Application Serial No.)	(Filing Date)	(Status -	patented, pending, abandoned)
(Reg. No. 36,134). and Gloria H. (Reg. No. 25,588); Laurence J. H. No. 34,477); Ann S. Hobbs (Reg. Address correspondence to Raym (201) 994-1700.  I hereby declare that all statement true; and further that these states	Richmond (Reg. No. 30,416); Robert I yman (Reg. No. 35,551); Susan S. Ru . No. 36,830) all of the Office of Tecond J. Lillie c/o Carella, Byrne, Bain, as made herein of my own knowledge ments were made with the knowledge tion 1001 of Title 18 of the United St	e (Reg. No. 25,378); Kenneth S. Weitzman (Reg No. Benson (reg. No. 33,612); Denise C. Bernstein (Reg. Icker (Reg. No. 35,762); David R. Sadowski (Reg. Ichnology Transfer, National Institute of Health, Bo., Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Fauter true and that all statements made on informating that willful false statements and the like so matter than the company of	g. No. 35,787); James C. Haight No. 32,808); Jack Speigel (Reg. ox OTT, Bethesda, MD 20892. rm Road, Roseland, NJ 07068 - on and belief are believed to be nade are punishable by fine of
Full name of sole or first invento	r: Donald B. Kohn		
Inventor's signature:	G-1:5 01256	Date:	<del></del>
Residence: 4256 Jubilo Drive, Ta Post Office Address: same	irzana, California 91336	Citizenship: U.S.A.	
Full name of second joint inventor Inventor's signature:		Date:	
Residence: 1986 Lancashire Driv	e, Rockville, Md. 20854	Citizenship: U.S.A.	
Post Office Address: same	$v^{\wp}$		
Full name of third joint inventor:	Craig A. Mullen	Date: 9-28-94	
Inventor's signature:  Residence: 35 Penny Green Street	t. Sugar Land. Texas 77479	Citizenship: U.S.A.	<del>_</del>
Post Office Address: same	TX	•	
Full name of fourth joint invento	r: Robert C. Moen		
Inventor's Signature:		Date:	<del></del>
	Road, Apt. N-104, Mountain View,	Ca. 94043 Citizenship: U.S.A.	
Post Office Address: same Docket No. 271010-211			

C:\CFM\RJL076



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

of the subject matter which is claimed and for wh	ich a patent is sought on the inv	ention entitled:		
GENE THERAPY BY ADMINISTRATION OF C	ENETICALLY ENGINEERED	CD34 <sup>+</sup> CELLS OBTAINED FR	OM CORD BLOOD	
the specification of which [] is attached hereto or [on (if applicable).	was filed on <u>April 8. 1</u>	994 as Application Serial No.	08/225,478 and was amende	хd
I hereby state that I have reviewed and understand referred to above.	the contents of the above identifi	ied specification, including the c	laims, as amended by any amendmen	nt
I acknowledge the duty to disclose information we Regulations, Section 1.56(a).	vhich is material to the patentabi	ility of this application in accord	lance with Title 37, Code of Federa	al
I hereby claim foreign priority benefits under Title below and have also identified below any foreign a priority is claimed. Prior Foreign Application(s)	application for patent or inventor's	19 of any foreign application(s) for scertificate having a filing date to	or patent or inventor's certificate liste pefore that of the application on whice	zd :h
priority is common to the second of the seco			Priority Claims	
NONE(Number) (Co	untry) (	Day/Month/Year Filed)	Yes No	
United States Code, Section 112, I acknowledge the which occurred between the filing date of the pri  NONE  (Application Serial No.)	(Filing Date)	r PCT international filing date o	f this application:	
I hereby appoint the following attorney(s) and/or connected therewith: John N. Bain (Reg. No. 18, (Reg. No. 31,778); Charles J. Herron (Reg. No. 26, 134). Address correspondence and Becker Farm Road, Roseland, NJ 07068 - (201)	,651); John G. Gilfillan, III (Reg. 8,019); William Squire (Reg. No. telephone calls to Raymond J. I	. No. 22,746); Elliot M. Olstein 25,378); Kenneth S. Weitzman (	(Reg. No. 24,025); Raymond J. Lill Reg No. 36,306); and Gregory Ferra	ro
I hereby declare that all statements made herein of true; and further that these statements were maimprisonment, or both, under Section 1001 of Tit application or any patent issued thereon.	de with the knowledge that will	ful false statements and the lik	e so made are punishable by line	OI
Full name of sole or first inventor: Donald B. Kollinventor's signature:  Residence: 4256 Jubilo Drive, Tarzana, Californ Post Office Address: same		Date:	<del> </del>	
Full name of second joint inventor: R. Michael I	Blaese	Date:		_
Residence: 1986 Lancashire Drive, Rockville, M Post Office Address: same	ld. 20854 Citize	enship: U.S.A.		
Full name of third joint inventor: Craig A. Mulle Inventor's signature:	en	Date:		
Residence: 4858 Battery Lane, #306, Bethesda, 1	Md 20814 Citize	enship: U.S.A.		
Post Office Address: same				
Full name of fourth joint inventor: Robert C. M. Inventors Signature:	moe CA	Date: Sept 1,1994	<i>†</i>	

Mountain View. Ca. 94045 Citzenship: U.S.A.

Post Office Address: same Docket No. 271010-211

Residence: 1600 Villa Street